CHAPTER 5. TACTICAL SHELTER SCISSOR JACKS LOCATION FOR ALL MEDICAL MATERIEL SETS (MMS)

5-1. USE OF ADDITIONAL SUPPORT TO THE TACTICAL ISO SHELTER

a. During recent field visits, the USAMMA Fielding Team discovered units are having trouble with water leaking through the roof seals of their tactical shelters. This occurs because the shelters are not truly squared but appear to be level. When the sides and roof are expanded, the roof seals must be inspected for the following items:

- Proper fit
- Tears/deformity
- Dry rot
- Paint on gasket

b. All of these could allow water to enter through the seals. Additional support is provided to the shelter with scissor jack when placed in the center of the shelter floor frame "I" beam on the expanded side(s). The jacks will help prevent floor vibration and provide stability.

5-2. ISO SCISSOR JACK(S) REQUIREMENT

Each one-sided shelter should be issued one scissors jack and each two-sided shelter should be issued two scissor jacks. If your unit requires scissor jacks, order them through normal supply channels or locally procure them.

- NSN 5120-00-106-7598 – 2 ton, low profile, scissor jack, hand
- NSN 5120-01-032-6042 – Handle, jack: 58- ¼ in. long, folding type

5-3. PROPER PLACEMENT OF SCISSOR JACKS TO SUPPORT THE SHELTER

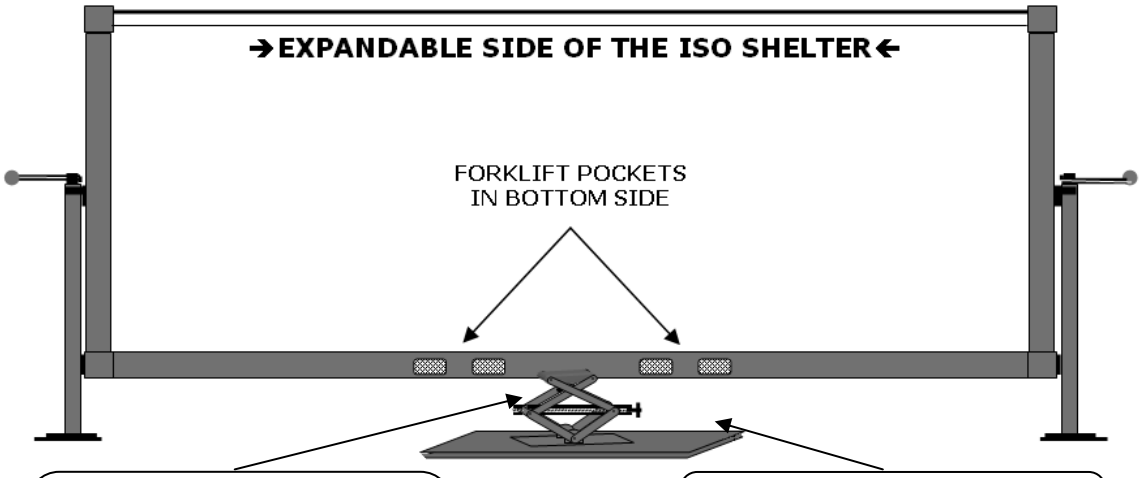
a. Raise the shelter a minimum of five inches off the ground and level.

b. Place jack under the I-beam at the mid-span (Figure 5-1, Side View). The jack should be placed on a load spreader such as a 12 x 12 inch, ½-inch-thick piece of plywood.

c. Raise the jack until it contacts the I beam and is firmly in place (meaning, it cannot be moved by hand).

d. Repeat this action on the other expandable side for a 3x1 shelter (see Fig. 5-2, Top view). The jack may require adjustment once the shelter starts to settle.

(See Figures Below)



After Shelter Is Leveled:

Insert Scissor Jacks Beneath center of bottom side rail on the side with the expandable floor.

Fig. 5-1
Side View

Place Scissor Jacks On Sheet Of Plywood, Minimum ½ Inch Thick.

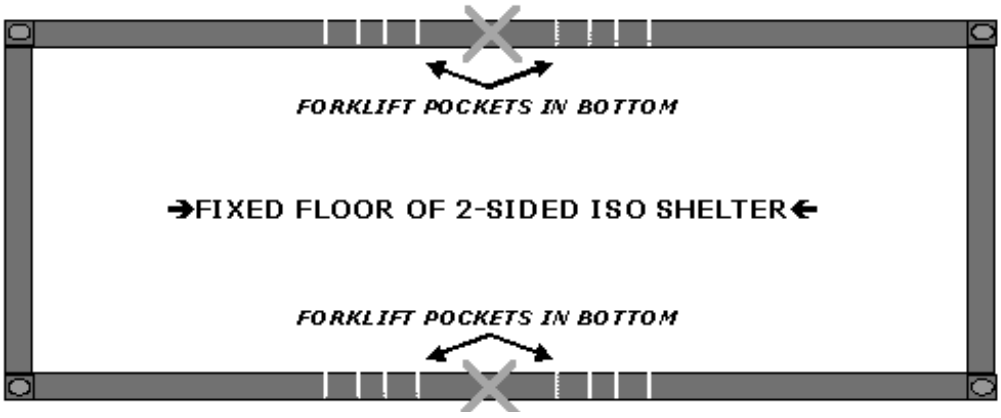


Fig. 5-2 Top View

On The Shelter With 2-Expandable Sides, place a scissor jacks under The bottom side rail; centered beneath the forklift pockets on each side of the shelter (see the "x" on the illustration above) before the sides are lowered for expansion.